

(NY-5442)

Instrumentation and Automation in the Hungarian
Chemical Industry, by Gyula Szeker, 10 pp.

HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XV,
No 10, 1960, pp 429-431.

JPRS 9050

EEur - Hungary

Econ

May 61

15/216

61-16770

I. Klug, O.

Klug, Otto.
PREPARATION OF P-AMINOPHENOL BY THE CATH-
ODIC REDUCTION OF NITROBENZENE [1961] 8p
2 refs.

Order from SLA \$1.10

61-16770

Trans. of Magyar Kem[ikusk] Lapja (Hungary) 1960,
v. 15, p. 535-538.

DESCRIPTORS: *Nitrobenzenes, Reduction, Electroly-
sis, *Phenols, *Amines, Synthesis.

Initially, in our experiments, our purpose was to re-
produce the results described in the literature (some of
those experiments with copper cathode), as a second
step we carried out measurements to establish the op-
timal conditions for the reduction and finally we tried
a new cathode metal (experiments with aluminum cath-
ode) (Extract)

Chemistry--Physical, TT, v. 6, no. 6)

176580

Office of Technical Services

Bartfal, J.

DETERMINATION OF FERMENTATION CITRIC

ACID: [1961] 4p. 3 refs.

Order from SLA \$1.10

61-20492

Trans. of Magyar Kem[ikusok] Lapja (Hungary) 1960,
v. 15 [no. 12] p. 566-567.

DESCRIPTORS: Citric acids, Determination, Chloro-
form, Sulfuric acid, Acetic acids

Analyses show that in the case of the pantabromoace-
tone method both shaking and elution will result in only
90% recovery of the citric acid whereas by elution with
chloroform 95-96% of the added material can be re-
covered. The differences between the individual analy-
ses are smaller in case of elution with chloroform than
in the case of the methods applying petrolether, and,
in agreement with this the square of the error of the
(Chemistry--Analytical, TT, v. 7, no. 5) (over)

61-20492

1. Bartfal, J.

Office of Technical Services

(DC-114)

Achievements of the Chemical Industry in 1960 and
Tests for 1961, by Sandor Czottner, 12 pp.

HUNGARIAN, per, Magyar Kemikusok Lapja, Vol 75
No 1, 1961, pp 1-5.

JPRS 8340

ESur - Hungary

Recd

Jun 61

148,992.

(DC-5605)

Biographic Information on Hungarian Chemists, 3 4 pp.

HUNGARIAN, per, Magyar Kemilusok Lapja, Vol XVI,
no 1, 1951, pp 46-47.

JPRS 8270

HUNG - Hungary
HCE
JUN 61

153 341

(DD-3621)

Plans for the Development of Chemical Industry
Machinery, by Laszlo Fekete, 9 pp.

HUNGARIAN, per, Magyar Kerdkezes Lapja, Vol XVI,
No 2, 1961, pp 49-52.

JPRS 8646

Edu - Hungary

Econ

Aug 61

163,672

(NY-6419)

Foreign Trade and the Development of the Hungarian
Chemical Industry, by Laszlo Darvas, 30 pp.

RUSSIAN,
HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XVI,
No 3, 1961, pp 97-103.

JPRS 10203

EHR - Hungary

173,673

Econ

(NY-10)

1961 WINNERS OF TEH KOSSUTH AWARD, 8 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA,
VOL XVI NO 4, 1961, PP 145-146.

JPRS 12815

EEUR - HUNGARY

SOC

WA 62

107,918

(NY-10)

Hungarian Results in the ~~EM~~ Use of Anti-Biotic Fungicides for Plant Protection, by Jozsef Vörös, 6 pp.

HUNGARIAN, per, Magyar Kemikusk Lapja, Vol XVI, No 4, 1961, pp 156-159.

JSSS 11529

Sci - Biol

178, 5-84

Jan 62

Laszlo, A. and Nemeth, A.
THE MAKFI PROCESS FOR PARTIAL OXIDATION
OF METHANE. Jan 62, 2p. 3 refs.
Order from ICE in v. 2, no. 1, \$15.00/year

Partial trans. of Magyar Kem[ikusk] Lapja (Hungary)
1961 [v. 16] no. 6, p. 249-250.

DESCRIPTORS: *Methanes, *Oxidation, Production,
Towers (Chemistry), *Chemical engineering.

(Engineering--Chemical, TT, v. 8, no. 10)

62-34283

1. Title: MAKFI process
- I. Laszlo, A.
- II. Nemeth, A.
- III. International Chemical
Engineering, New York

Office of Technical Services

Newer Tendencies of the Development of Silicone
Chemistry I, by Szekely Tamas, 1/3 pp.

HUNGARIAN, per, Magyar Kemikusok Lapja, No 7,
1961, pp 329-330. 9675855

FTD-TT-51-303

Sci - Chem

19 Mar 62

188,282

Newer Tendencies of the Development of Silicone
Chemistry II, by Szekely Tamas, 12 pp.

HUNGARIAN, par, Magyar Kemiai Lapja, No 7,
1961, pp 362-367. 9575855

FTD-TI-61-303

Sci - Chem

19 Mar 62

188, 284

(SF-1055)

PROCESSES AND PRODUCTION IN A LACQUER, PAINT,
AND SYNTHETIC RESIN PLANT, BY SZEKELY GEZA, 11 PP.

HUNGARY, PER, MAGYAR KEMIKUSOK LAPJA, SEPT 1961,
PP 397-404.

JPRS 12279

EEUR-HUNGARY
ECON
FEB 62

182,972

Application of Polarography in Organic Chemistry,
by Petr Zuman, 9 pp.

HUNGARIAN, per, Magyar Kémikusok Lapja, Vol XVII,
No 1, 1962, pp 8-11. 9209196

ABC-Tr-5769

Sci - Chem

Jul 63

236,163

Tamas, Zoltan.

QUANTITATIVE DETERMINATION OF THE TETRA-
ETHYLEAD CONTENT OF GASOLINE. [1964] 14p

Order from K-H \$8.40

K-H-12377

Trans. of Magyar Kertikusok Lapja (Hungary) 1962
[v. 17] no. 3, p. 140-143.

TT-64-12936

- I. Tamas, Z.
- II. K-H-12377
- III. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Materials--Fuels, TT, v. 11, no. 11)

Office of Technical Services

Streamlining of Chemical Industry, by Gyula Szeker,
Tibor Hegedus.

HUNGARIAN, per, Magyar Kemikusok Lapja, No 4,
1962, pp 151-154.

FDD Sum 3666

EEur - Hungary
Econ
Jun 62

200,955

(DC-2500)

TECHNICAL AND ECONOMIC PROBLEMS OF CONVERTING
PRODUCTION OF NITROGEN FERTILIZER TO A NATURAL
GAS BASIS IN HUNGARY, BY TAMAS BERECHKY, 21 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA,
VOL XVII, NO 4, 1962, PP ~~155--159~~.

JPRS 14597

EEUR - HUNGARY
ECON
AUG 62

205,730

(DC-2500)

SOME INVESTMENT PROBLEMS OF THE HUNGARIAN CHEMICAL
INDUSTRY, BY TAMAS LEVAI, 13 PP.

HUNGARIAN, PER, ~~MAEER~~ MAGYAR KEMIKUSCK LAPJA,
VOL XVII, NO 6, 1962, PP 241-245.

JPRS 15053

EEUR - HUNGARY
ECON
SEP 62

209,551

Ganti, Tibor and Novak, Ervin.
GENERAL METHOD FOR PAPER DEVELOPMENT IN
PAPER CHROMATOGRAPHY. I. THE DETECTION OF
INORGANIC IONS. [1963] 7p (tables refs omitted)
Order from SLA \$1.10 63-18873

Trans. of Magyar Kemiiai Polvdrat (Hungary) 1962,
v. 68 [no. 7] p. 293-296.

DESCRIPTORS: *Inorganic substances, Detection,
*Paper chromatography, Chromatographic analysis,
Colors, Reagents, Ions, Chemical reactions.

The application of a new developing agent in the detec-
tion of inorganic cations by paper chromatography is
described. The dry chromatogram is sprayed by 0.5%
benzidine dissolved in glacial acetic acid, partially
dried and then exposed to furfural vapor. The filter
paper develops an intense purple color, the cations
(Chemistry--Analytical, TT, v. 10, no. 10) (over)

63-18873

- I. Ganti, T.
- II. Novak, E.
- III. Title: Detection...

Office of Technical Services

Cornides, I. and Balla, S.
COMPUTATION AND OPERATION ANALYSIS WITH
ELECTRONIC COMPUTERS IN CHEMICAL INDUSTRY.

July 63, 6p. 9 refs.

Order from ICE in v. 3, no. 3, \$15.00/year

Trans. of Magyar Kemikusok Lapja (Hungary) 1962
[v. 17] no. 9, p. 405ff.

DESCRIPTORS: Chemical engineering. *Analog com-
puters, Computers, Separation, Carbon compounds,
Monoxides, Nitrogen, Synthesis (Chemistry),
Ammonia, *Chemical industry, Hungary.

(Engineering--Chemical, TT, v. 10, no. 7)

63-17872

- I. Cornides, I.
- II. Balla, S.
- III. International Chemical
Engineering, New York

Office of Technical Services

OUTSTANDING CHEMICAL ENGINEERING ACHIEVEMENTS OF
BUDAPEST TECHNICAL UNIVERSITY OVER THE PAST 15
YEARS, BY MIKLOS POLGAR, 13 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA, VOL XVII,
NO 11, 1962, PP 488-493.

JPRS 18403

SCI - MISC

APR 63

227,431

68-17523

Greguss, P.
CRITICAL NOTES ON THE APPLICABILITY OF
ULTRASOUND TO CHEMICAL TECHNOLOGY. Apr 63,
15p. 218 refs.

Order from ICE in v. 3, no. 2, \$15.00/year

Trans. of Magyar Kemikusok Lapja (Hungary) 1962
[v. 17] no. 11, p. 494ff.

DESCRIPTORS: *Chemical engineering, *Ultrasonics,
Cavitation, Polymerization, Plastics, Polyester plastics,
Phenols, Formaldehyde, Crystallization, Colloids,
Coagulation, Chemical reactions, Economics.

(Engineering--Chemical, TT, v. 10, no. 3)

I. Greguss, P.
II. International Chemical
Engineering, New York

Office of Technical Services

NEW PAINT INDUSTRY PRODUCTS AT THE TISZA CHEMICAL
WORKS, BY GEZA SZEKELY, 16 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA, VOL XVII,
NO 12, 1962, PP 547-551.

JPRS 18050

EEUR - HUNGARY
ECON
MAR 63

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COMPUTER APPLICATIONS IN THE CHEMICAL INDUSTRY,
BY GEDEON ALMASY,, 16 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA, VOL XVII,
NO 12, 1962, PP 552-556.

JPRS 18050

EEUR - HUNGARY
ECON
MAR 63

224,980

Achievements and Tasks of Chemical Industry in Middle
of Second Five-Year Plan, by Sandor Czotner.

HUNGARIAN, per, Magyar Kereskedelmi Lapja,
Vol XVII, No 1, 1963, pp 1-7.

FID Summary 4484

EEur - Hungary
Econ
Aug 63

342,116

EDUCATION IN CHEMICAL ENGINEERING AT VESZPREM
CHEMICAL INDUSTRY UNIVERSITY, BY KAROLY POLINSZKY,
32 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA, VOL XVIII,
NO 2, 3, 1963, PP 53-57.

JPRS 19498

SCI - CHEM

JUN 63

232,263

REVISED CURRICULUM OF THE SCHOOL OF CHEMICAL
ENGINEERING OF BUDAPEST TECHNICAL UNIVERSITY,
BY GYORGY VARSANYI, 14 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA, VOL XVIII,
NO 2, 3, 1963, PP 58-762.

JPRS 19498

SCI - CHEM

JUN 63

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TRAINING OF MECHANICAL ENGINEERS FOR THE CHEMICAL
INDUSTRY AT THE MISKOLC HEAVY INDUSTRY TECHNICAL
UNIVERSITY, BY BYORGY FABRY, 6 PP.

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NO 2, 3, 1963, PP 363-65.

JPRS 19498

SCI - CHEM

JUN 63

232,265

RESULTS OF THE SECOND LARGE-SCALE TEST OF THE
VARGA PROCESS, BY JOZSEF KAROLYI, ANDRAS ZALAI,
ET AL, 12 PP.

HUNGARIAN, PER, MAGYAR KEMIKUSOK LAPJA, VOL XVIII,
NO 5, 1963, PP 212-217.

JPRS 20413

EE-HUNGARY
ECON
AUG 63

237,659

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Several Questions of Research Problems in ~~the~~ the
Synthetic Materials Industry of Hungary, by Gyula Hardy,
8 pp.

HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XVIII,
No 7, 1963, pp 297-300.

JPRS 22061

EE-Hungary
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Dec 63

243,775

The First Section of the Berente Chemical Works Has
Begun Production, by Zoltan Molnar, 7 pp.

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JPRS 22061

EE-Hungary
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The Photochemical Activity of Chalking of
Zinc Oxide and Titanium Dioxide, by K. Jonas.
EUROPEAN, per, Magyar Kemikusok Lapja, Vol 18,
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NTC-71-14878-07B

Feb 72

Research in Radiation-Chemical Thermal Decomposition of Hydrocarbons Taking Place Under the Influence of Electricfield, by G. Foldiák, Z. Paal.
HUNGARIAN, per, Magyar Kémikusok Lapja,
Vol XXVIII, 1963, pp 573-577.
•Dept of Interior

Sci-Elec
Jul 64

Most Important Technical Goals for the Development
of the Hungarian Chemical Industry in the Long Range
Plan Period 1961-1980, by Gyula Szeker, 23 pp.
HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XIX,
No 1, 1964, pp 1-9.
JPRS 24079

EE-Hungary
Econ
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254, 329

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and Important Goals for 1964, 12 pp.
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Apr 64

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Study of the Flow on Slotted Trays and Sieve
Plates, by T. Hobler, and J. Czajka, et al.
HUNGARIAN, per, Magyar Kemikusok Lapja, Vol XIX,
No 2, 1964, pp 89-92.
ICE Vol 4, No 3, pp 395-399

Aug 66

309,070

Hydrocracking Process, by Zalai Andras,
Jancso Tibor.
HUNGARIAN, per, Magyar Kemikusok Lapja,
No 6, June 1964, pp 289-296.
ACSI J-1235
ID 2204055966

Sci-Mech Indus Engr
Feb 67

317,737

NCH-202 363 (p.263-271)

Field 20D

Farady, L.; Mitolcsy, K.; Ujhidy, A.; Babos, B.
TWO-PHASE GAS LIQUID FLOW IN PIPE LINES.
Apr 65, 9p, 31 refs.
Order from ICE in International Chemical Engineering,
v5 n2

Trans. of Magyar Kemikusok Lapja (Hungary)
v19 n9 p453-61 1964.

I. American Institute of
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New York, N. Y.

Main Development Trend of the Nitrogen In-
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Vol 19, No 10-11, 1964, pp 509-515.

JPRS 28696

EE-Hungary

Eco

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Fifteenth Anniversary of the Heavy Chemical Industry
Research Institute, by Ferenc Majdik, 18 pp.

~~MMX~~

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JPRS 28118

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Fifteenth Anniversary of the Veszprem University of
the Chemical Industry, by Gabor Mesko, 7 pp.
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JPRS 28118

EE-Hungary
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28 Aug 67

The World Situation of the Plant-Protecting Agent Industry and Research, with Particular Emphasis Upon Hungarian Conditions, by Bela Bartok.

BRUNNEN, Inc., Haupt Postfach 1000, D-10-11, Budapest, 1000, page 29 977-981.

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Publish under CSO 2002, and provide SPEC with one extra copy of the published report.

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JPRS 30707

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Twenty Year Development of the Hungarian
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Vajtha, 20 pp.
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JPRS 30707

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Twenty Years of the Plastics and Synthetic
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Main Trends in the 20-Year Development of the
Rubber Industry, by Laszlo Horvath, 9 pp.
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JPRS 30701

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Development of Pharmaceutical Research and
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JPRS 30781

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Jul 65

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Two Decades of the Heavy Chemical Industry,
by Laszlo Dacs and Jozsef Gyarmati, 17 pp.
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JPRS 30781

EE-Hungary
Econ
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Development of the Lacquer and Paint Industry
over the Past 20 Years, by Istvan Feuer,

7 pp.

HUNGARIAN, per, Magyar Kemikusat Lapja, No 4,

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JPRS 30781

EE-Hungary

Econ

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Fiftieth Anniversary of the Chemical Works
Planning Enterprise, by Gyorgy Somlo, 13 pp.
HUNGARIAN, per, Magyar Keménység Lapja, Vol
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JPRS 32295

EE-Hungary
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Planning Methods at the Chemical Works
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JPRS 32295

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Experiences in Converting the Manufacture
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by Halmai, Jeno and Zalai, Gyorgy, 24 pp.
HUNGARIAN, per, Magyar Kemikusatok Lapja, Vol
20, No 7-8, Jul-Aug 1965, pp. 359-363.
JPRS 32295

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Role of the Chemical Works Planning Enterprise
in Developing Chemical Industry Machine Pro-
duction, by Balazs Szantay, 7 pp.

HUNGARIAN, per, Magyar Kereskedelmi Lapja,
Vol 20, No 7-8, 1965, pp. 369-371.
JPRS 32295

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Planning of Instrumentation of Chemical
Industry Processes at the Chemical Works
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ACSI J-0311
ID 2204036466

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Progress in the Technology of Cyanuric
Chloride Production, by M. Nadasy.
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Vol XX, No 11, 1965, pp 576-579.
Chem Trans Sv No 2798

Sci-Chem
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Investment Experience in Developing the Chemical Industry during the Second Five-Year Plan, by Gyula Szeker, Tamas Levai and Sandor Gor-Nagy, 16 pp.

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JPRS 34543

EE-Hungary
Econ
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Tenth Anniversary of the Bomod Chemical
Combine, by Istvan Kovacs and Otto Varsanyi,
8 pp.
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JPRS 34675

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dor Balint, 12 pp.

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JPRS 34919

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1966, pp 135-140.
Chem Trans Sv 3068

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Sol - Chemistry
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18 pp.
H NGARIAN, per, Magyar Kemikusok Lapja, Vol
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Research in Hungary, by Mihaly Freund,
11 pp.
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Mihaly Freund

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Development of Production of Petrochemical
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Ferenc Mocz and Istvan Szabo, 15 pp.
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EE-Hungary

Sci

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Sci - Materials
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The Tisza Chemical Combine, by Andor Huszar, 15pp.
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Dec 1966, pp 620-626.
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EE/Hungary
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Econ

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SI-Industry
SI-Materials
Aug 67

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